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| | Autore | Favorskaya Margarita N |
| | Titolo | Handbook on Advances in Remote Sensing and Geographic Information Systems : Paradigms and Applications in Forest Landscape Modeling / / by Margarita N. Favorskaya, Lakhmi C. Jain |
| | Pubbl/distr/stampa | Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017 |
| | Edizione | [1st ed. 2017.] |
| | Descrizione fisica | 1 online resource (XIX, 415 p. 109 illus.) |
| | Collana | Intelligent Systems Reference Library, , 1868-4394 ; ; 122 |
| | Disciplina | 634.92 |
| | Soggetti | Computational intelligence |
| | | Geographical information systems |
| | | Signal processing |
| | | Image processing |
| | | Speech processing systems |
| | | Artificial intelligence |
| | | Computational Intelligence |
| | | Geographical Information Systems/Cartography |
| | | Signal, Image and Speech Processing |
| | | Artificial Intelligence |
| | Lingua di pubblicazione | Inglese |
| | Formato | Materiale a stampa |
| | Livello bibliografico | Monografia |
| | Nota di bibliografia | Includes bibliographical references at the end of each chapters. |
| | Nota di contenuto | Innovations in Remote Sensing of Forests -- Overview of LiDAR Technologies and Equipment for Land Cover Scanning -- Software Tools for Terrain and Forest Modelling -- Data Fusion for Evaluation of Woodland Parameters -- Tree Modelling in Virtual Reality Environment -- Realistic Tree Modelling -- Digital Modelling of Terrain Surface -- Texturing of Landscape Scenes -- Large Scene Rendering -- Scene Rendering under Meteorological Impacts -- Lighting and Shadows Rendering in Natural Scenes -- Modelling of Forest Ecosystems. |
| | Sommario/riassunto | This book presents the latest advances in remote-sensing and geographic information systems and applications. It is divided into four parts, focusing on Airborne Light Detection and Ranging (LiDAR) and |

Optical Measurements of Forests; Individual Tree Modelling; Landscape Scene Modelling; and Forest Eco-system Modelling. Given the scope of its coverage, the book offers a valuable resource for students, researchers, practitioners, and educators interested in remote sensing and geographic information systems and applications.